```
PPPPPPPPPPP        AAAAAAAAA        SSSSSSSSSSSS  RRRRRRRRRRR    TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP       AAAAAAAAA        SSSSSSSSSSSS  RRRRRRRRRRRR   TTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP       AAAAAAAAA        SSSSSSSSSSSS  RRRRRRRRRRRR   TTTTTTTTTTTTTTT  LLL
PPP        PPP  AAA       AAA  SSS                RRR       RRR         TTT       LLL
PPP        PPP  AAA       AAA  SSS                RRR       RRR         TTT       LLL
PPP        PPP  AAA       AAA  SSS                RRR       RRR         TTT       LLL
PPP        PPP  AAA       AAA  SSS                RRR       RRR         TTT       LLL
PPP        PPP  AAA       AAA  SSS                RRR       RRR         TTT       LLL
PPP        PPP  AAA       AAA  SSS                RRR       RRR         TTT       LLL
PPPPPPPPPPPP    AAA       AAA     SSSSSSSS        RRRRRRRRRRRR          TTT       LLL
PPPPPPPPPPPP    AAA       AAA     SSSSSSSS        RRRRRRRRRRRR          TTT       LLL
PPPPPPPPPPPP    AAA       AAA     SSSSSSSS        RRRRRRRRRRRR          TTT       LLL
PPP             AAAAAAAAAAAAAAA           SSS  RRR     RRR              TTT       LLL
PPP             AAAAAAAAAAAAAAA           SSS  RRR     RRR              TTT       LLL
PPP             AAAAAAAAAAAAAAA           SSS  RRR     RRR              TTT       LLL
PPP             AAA       AAA             SSS  RRR        RRR           TTT       LLL
PPP             AAA       AAA             SSS  RRR           RRR        TTT       LLL
PPP             AAA       AAA             SSS  RRR           RRR        TTT       LLL
PPP             AAA       AAA  SSSSSSSSSSSS    RRR           RRR        TTT       LLLLLLLLLLLLLLL
PPP             AAA       AAA  SSSSSSSSSSSS    RRR           RRR        TTT       LLLLLLLLLLLLLLL
PPP             AAA       AAA  SSSSSSSSSSSS    RRR           RRR        TTT       LLLLLLLLLLLLLLL
```

```
PPPPPPP     AAAAAA       SSSSSSSS FFFFFFFFFF    AAAAAA  BBBBBBBB
PPPPPPP     AAAAAA       SSSSSSSS FFFFFFFFFF    AAAAAA  BBBBBBBB
PP    PP  AA    AA SS         FF        AA    AA BB      BB
PP    PP  AA    AA SS         FF        AA    AA BB      BB
PP    PP  AA    AA SS         FF        AA    AA BB      BB
PP    PP  AA    AA SS         FF        AA    AA BB      BB
PPPPPPP   AA    AA   SSSSSS   FFFFFFF   AA    AA BBBBBBBB
PPPPPPP   AA    AA   SSSSSS   FFFFFFF   AA    AA BBBBBBBB
PP        AAAAAAAAAA      SS FF         AAAAAAAAAA BB      BB
PP        AAAAAAAAAA      SS FF         AAAAAAAAAA BB      BB
PP        AA    AA        SS FF         AA    AA BB      BB
PP        AA    AA        SS FF         AA    AA BB      BB        ....
PP        AA    AA SSSSSSSS  FF         AA    AA BBBBBBBB          ....
PP        AA    AA SSSSSSSS  FF         AA    AA BBBBBBBB          ....
                                                                  ....

LL             IIIIII     SSSSSSSS
LL             IIIIII     SSSSSSSS
LL               II     SS
LL               II     SS
LL               II     SS
LL               II     SS
LL               II       SSSSSS
LL               II       SSSSSS
LL               II             SS
LL               II             SS
LL               II             SS
LL               II             SS
LLLLLLLLLL     IIIIII   SSSSSSSS
LLLLLLLLLL     IIIIII   SSSSSSSS
```

```
   1    0001  0 MODULE PAS$FAB    ( %TITLE.'Get FAB address of file'
   2    0002  0                     IDENT = '1-001'                    ! File: PASFAB.B32 Edit: SBL1001
   3    0003  0                   ) =
   4    0004  1 BEGIN
   5    0005  1
   6    0006  1 !****************************************************************
   7    0007  1 !*                                                              *
   8    0008  1 !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                    *
   9    0009  1 !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.     *
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  24    0024  1 !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.    *
  25    0025  1 !*                                                              *
  26    0026  1 !*                                                              *
  27    0027  1 !****************************************************************
  28    0028  1 !
  29    0029  1
  30    0030  1 !++
  31    0031  1 ! FACILITY:      Pascal Language Support
  32    0032  1 !
  33    0033  1 ! ABSTRACT:
  34    0034  1 !
  35    0035  1 !      This module contains a procedure which returns a pointer to the
  36    0036  1 !      RMS FAB for a specified file.
  37    0037  1 !
  38    0038  1 ! ENVIRONMENT:  User mode - AST reentrant
  39    0039  1 !
  40    0040  1 ! AUTHOR: Steven B. Lionel, CREATION DATE: 19-October-1981
  41    0041  1 !
  42    0042  1 ! MODIFIED BY:
  43    0043  1 !
  44    0044  1 ! 1-001 - Original.  SBL 19-October-1981
  45    0045  1 !--
```

PAS$FAB
1-001

Get FAB address of file
Declarations

I 6
16-Sep-1984 01:32:30   VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:51:28   [PASRTL.SRC]PASFAB.B32;1

Page   2
       (2)

```
:    47      0046  1 %SBTTL 'Declarations'
:    48      0047  1 !
:    49      0048  1 ! PROLOGUE DEFINITIONS:
:    50      0049  1 !
:    51      0050  1
:    52      0051  1 REQUIRE 'RTLIN:PASPROLOG';              ! Externals, linkages, PSECTs, structures
:    53      0115  1
:    54      0116  1 !
:    55      0117  1 ! TABLE OF CONTENTS:
:    56      0118  1 !
:    57      0119  1
:    58      0120  1 FORWARD ROUTINE
:    59      0121  1     PAS$FAB;                            ! Get FAB address of file
:    60      0122  1
:    61      0123  1 !
:    62      0124  1 ! MACROS:
:    63      0125  1 !
:    64      0126  1 !      NONE
:    65      0127  1 !
:    66      0128  1 ! EQUATED SYMBOLS:
:    67      0129  1 !
:    68      0130  1 !      NONE
:    69      0131  1 !
:    70      0132  1 ! FIELDS:
:    71      0133  1 !
:    72      0134  1 !      NONE
:    73      0135  1 !
:    74      0136  1 ! OWN STORAGE:
:    75      0137  1 !
:    76      0138  1 !      NONE
```

```
   78    0139   1  %SBTTL 'PAS$FAB - Get FAB address of file'
   79    0140   1  GLOBAL ROUTINE PAS$FAB  (                            ! Get FAB address of file
   80    0141   1          PFV: REF $PAS$PFV_FILE_VARIABLE              ! File variable
   81    0142   1      ) =
   82    0143   1
   83    0144   1  !++
   84    0145   1  ! FUNCTIONAL DESCRIPTION:
   85    0146   1  !
   86    0147   1  !     This procedure returns a pointer to the RMS File Attributes
   87    0148   1  !     Block (FAB) for the specified file, if one exists.
   88    0149   1  !
   89    0150   1  ! CALLING SEQUENCE:
   90    0151   1  !
   91    0152   1  !     fab.wa.v = PAS$FAB (pfv.rr.r)
   92    0153   1  !
   93    0154   1  ! FORMAL PARAMETERS:
   94    0155   1  !
   95    0156   1  !     PFV                 - The Pascal File Variable (PFV) passed by reference.
   96    0157   1  !                           The structure of the PFV is defined in PASPFV.REQ.
   97    0158   1  !
   98    0159   1  ! IMPLICIT INPUTS:
   99    0160   1  !
  100    0161   1  !     NONE
  101    0162   1  !
  102    0163   1  ! IMPLICIT OUTPUTS:
  103    0164   1  !
  104    0165   1  !     NONE
  105    0166   1  !
  106    0167   1  ! ROUTINE VALUE:
  107    0168   1  !
  108    0169   1  !     The address of the file's FAB, or zero if none exists.
  109    0170   1  !
  110    0171   1  ! SIDE EFFECTS:
  111    0172   1  !
  112    0173   1  !     Opens INPUT or OUTPUT
  113    0174   1  !
  114    0175   1  ! SIGNALLED ERRORS:
  115    0176   1  !
  116    0177   1  !     NONE
  117    0178   1  !
  118    0179   1  !--
  119    0180   1
  120    0181   2      BEGIN
  121    0182   2
  122    0183   2      LOCAL
  123    0184   2          RAB: REF BLOCK [, BYTE];         ! RMS RAB
  124    0185   2
  125    0186   2      !+
  126    0187   2      ! Call PAS$RAB to get the address of the RAB for this file.  PAS$RAB
  127    0188   2      ! may open INPUT or OUTPUT.  It returns zero if there is no RAB.
  128    0189   2      !-
  129    0190   2
  130    0191   2      RAB = PAS$RAB (PFV [PFV$R_PFV]);
  131    0192   2
  132    0193   2      !+
  133    0194   2      ! If the RAB is defined, return the FAB address, otherwise zero.
  134    0195   2      !-
```

```
 135    0196 2
 136    0197 2          IF .RAB NEQA 0
 137    0198 2          THEN
 138    0199 2              RETURN .RAB [RAB$L_FAB]
 139    0200 2          ELSE
 140    0201 2              RETURN .RAB;
 141    0202 2
 142    0203 1          END;                              ! End of routine PAS$FAB


                                                          .TITLE   PAS$FAB Get FAB address of file
                                                          .IDENT   \1-001\

                                                          .EXTRN   PAS$RAB

                                                          .PSECT   _PAS$CODE,NOWRT,  SHR,  PIC,2

                                       0000 00000         .ENTRY   PAS$FAB, Save nothing          ; 0140
                                 04  AC  DD 00002          PUSHL   PFV                            ; 0191
              00000000G  00      01  FB 00005          CALLS   #1, PAS$RAB
                                 50  D5 0000C          TSTL    RAB                            ; 0197
                                 04  13 0000E          BEQL    1$
              50  3C  A0  DD  00010          MOVL    60(RAB), R0                    ; 0201
                                 04 00014 1$:         RET                            ; 0203
```

; Routine Size: 21 bytes,   Routine Base: _PAS$CODE + 0000

```
 143    0204 1
 144    0205 1 !<BLF/PAGE>
 145    0206 1 END                                       ! End of module PAS$FAB
 146    0207 1
 147    0208 0 ELUDOM
```

PSECT SUMMARY

Name	Bytes	Attributes
_PAS$CODE	21	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_255DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:00.9
_255DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	20	4	33	00:00.4

PAS$FAB   Get FAB address of file   L 6   VAX-11 Bliss-32 V4.0-742   Page 5
1-001   PAS$FAB - Get FAB address of file   16-Sep-1984 01:32:30   [PASRTL.SRC]PASFAB.B32;1   (3)
                                                            14-Sep-1984 12:51:28

```
;                              COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:PASFAB/OBJ=OBJ$:PASFAB MSRC$:PASFAB/UPDATE=(ENH$:PASFAB)

; Size:          21 code + 0 data bytes
; Run Time:         00:03.3
; Elapsed Time:     00:11.4
; Lines/CPU Min:    3736
; Lexemes/CPU-Min:  5497
; Memory Used:  34 pages
; Compilation Complete
```

PASFVOUTP
LIS

PASEOLN2
LIS

PASHEAP
LIS

PASHANDLE
LIS

PASFAB
LIS

PASGET
LIS

PASCVTRT
LIS

PASDATE
LIS

PASEOF2
LIS

PASFINDK
LIS

PASFVINPU
LIS

PASEXPO
LIS

PASGOTO
LIS

PASFILEUT
LIS

PASHALT
LIS

PASDELETE
LIS

PASFIND2
LIS